

10/030485

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CLAIMS

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1. A peptide having an amino acid sequence selected from the amino acid sequence of SEQ. ID. NO. 2 or the amino acid sequence of SEQ. ID. NO. 3.

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- ~~2. Peptide according to claim 1, wherein the amino acids of said peptide are D-amino acids or L-amino acids.~~

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- ~~3. Peptide according to claim 1, wherein the amino acid at the N-terminus of the peptide is acetylated.~~

- ~~4. Peptide according to claim 1, wherein the amino acid at the C-terminus of the peptide is amidated.~~

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- ~~5. Peptide according to claim 1, wherein the peptide further contains a reversible modification that increases its bioavailability and facilitates its permeation through the blood brain barrier and epithelial tissue.~~

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- ~~6. An isolated nucleic acid sequence which codifies a peptide according to anyone of claims 1 to 5.~~

- ~~7. Nucleic acid sequence according to claim 6, wherein said nucleic acid is selected from bicatenary DNA, monocatenary DNA and RNA.~~

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- ~~8. A plasmid which comprises a nucleic acid sequence according to claim 6.~~

- ~~9. An expression vector which comprises a nucleic acid sequence according to claim 6.~~

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- ~~10. A cell which expresses a peptide according to anyone of claims 1 to 5.~~

- ~~11. A mixture of peptides comprising:~~

mixtures thereof, and, optionally, one or more additional neuronal exocytosis inhibitors.

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